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ANCHORAGE ARC

--------------- "THE VOICE OF THE ANCHORAGE AMATEUR RADIO CLUB"---------------

Post Office Box 101987 Anchorage, Alaska 99510-1987 (907) 345-0719

May 1983

KL7FKO has an open heart

It was wide open two weeks ago as surgeons at Providence Hospital installed **5** bypasses! Al's reputation for the unusual was certainly preserved, as there are normally only three places on the heart to bypass. However, he needed five, and they all seem to be working well. He has been a regular on .34/.94 from his hospital bed, and is enjoying immensely being a "rare contact" on the four cubit band. Everyone treating him has the proper credentials, his surgeon is a motorcycle enthusiast, and his physical therapist is Beth KL7VD. I'm sure we all wish him a speedy recovery, so he can resume his position as "Official Heckler" of the Anchorage Amateur Radio Club.

KL7JR becomes a silent key

John Manley, long-time Alaskan ham, passed away April 14th at Humana hospital. He is respected for his many accomplishments as an amateur, and as the manager of the Alaska Railroad. Following the 1964 earthquake, he was credited with returning the railroad to operation within days. We regret his passing, and remember with appreciation his contributions to our service.

NOTE: The Alaska QSL Bureau has a new phone number. It is **562-5001**.

The deadline for filing comments on the No-Code license proposal has been extended. If you have an opinion, now is the time to share it with the FCC and your congressional representatives.

KL7HD reports that the 146.10/.70 RTTY repeater has moved to Upper Huffman road, with a full-quieting signal reported at Montana Creek.

Field Day raffle tickets will be available at the club meeting. Prizes are:

1st Kenwood TS430S HF transceiver with power supply and mic.
2nd SanTec HT, your choice of a 2 meter or 70 cm rig.
3rd ICOM HT, your choice of a 2AT, 3AT, or 4AT.
4th Commodore VIC 20 micro-computer. Great for CW and RTTY operation.

Anchorage Amateur Radio Club

Activities for the Month
Courtesy of the club activities manager, KL7PQ

April 30: 6th annual Mother's Day affair, Sear's Mall.
Club Social afterwards at the Peking Palace.

May 6: General club meeting, 7:00 pm. ACC Amphitheatre (SW corner of the ACC campus, Building K). Talk-in on 146.34/.94

May 7: Walk for Hope communications. Contact Bill KL7ITI to help.

May 18: Board meeting, Alascom building at 7:00 pm.

May 22: 20 meter phone band expansion effective at 0001 UTC.

June 25-26: **FIELD DAY!** Contact Bryce AL7DL for details.

CLUB OFFICERS

President	Bob McKinnie	AL7AW	337-6027 (08)
Vice President	Bryce Rumery	AL7DL	753-6395 (09)
Activities Chairman	Kirsten Peterson	KL7PQ	376-6045 (12)
Secretary (acting)	Lance Dunbar	AL7BK	337-6297 (10)
Treasurer	Fred Wegmer	KL7HFM	274-3464 (11)
Past President	Betty Rhodes	KL7AP	345-1061 (13)
Trustee	Bill Reiter	KL7ITI	337-1779 (00)

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April Walter AL7CV (14), David Cloyd KL7M (15), David Stevens KL7EB (16), Tim Pettis KL7WE (17), Art Taylor KL7SK (19), Glenn Turner AL7DN (20), J D Delancy KlZAT (01), Mark Hadley KL7HD (21), Steve Wilcox KL7JIM (18)

NEWSLETTER STAFF

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Assistant Editor	Denise Slauson	KL7VF	243-4624

Staff: Daniel Stevens KL7WM, Jim Steigerwald KL7SL, Erv Edge AL7CN, and of course all the contributors to this issue.

"The Voice of the Anchorage ARC" is published monthly by the AARC to further the cause of amateur radio as a hobby and public service. Subscription is available through membership in the AARC, or on a complimentary exchange basis with other club newsletters. Articles and photos are encouraged from all readers. Permission to reprint material original to this newsletter is granted, to other non-profit publications, provided proper credits are given.

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Propagation from the President ...

In case you've forgotten or didn't know, there's still time to file comments on the FCC's Proposed Rulemakings for No-code Licensing and Amateur Volunteer Examiners. The deadline for comments on No-code has been extended for another couple of months. So while you're out there operating and building and enjoying your hobby, consider where the hobby is headed and help keep it going as you would like to have it. If you haven't already done so, study up on the proposals and send your comments to the FCC.

The last few years have seen a lot of significant developments in our hobby. The tide in tvi has turned. It's easier to protect your operating privileges now and easier to solve tvi. But rfi in general is busting out all over. Notice the new intermod products which have destroyed the possibility of simplex operation on two meters for some of our local hams. There's a whole host of new devices threatening and succeeding to interfere with our operation. New antenna zoning ordinances pop up regularly. There has been some improvement in combatting this problem, due largely to help from the ARRL and vigorous legal efforts by affected amateurs throughout the country. Some favorable precedents have been established but the battle goes on.

On the technical side we have ASCII for computer communications, AMTOR for rtty, more sophisticated satellites, computerized transceivers, and data packet systems. We just experienced a solar cycle peak which was probably as exciting as any before, what with all the newer modes and equipment which is now in use.

On the public service side, we've had earthquakes in Italy and Chile, floods, storms, and marine disasters to lend our assistance to. Nationally as well as locally, we're seeing a new attitude of cooperation between government, community organizations, and amateur radio. "Power to the People" is becoming an accomplished fact. It's becoming generally recognized that the progress of our country as well as our world depends more on the contributions of individuals and organizations that on the actions of governments. We have a great opportunity as amateurs to improve our world and the time is ripe. If you're sitting by waiting for some nice happening to fall into your lap, you'll miss the boat.

So take some time to contemplate your hobby and what it means. Plan to participate in the activities for everyone's benefit. Support your club and the ARRL. They're your spokesmen and your agents. Make your feelings on the proposed rulemakings heard and help keep amateur radio a vital and useful pursuit.

By the time you read this the 1983 Mother's Day Message Extravaganza will be over. My thanks go to everyone who participated and helped in any way. With Walk for Hope and Field Day coming right up, not to mention all the other activities the summer brings for the AARC, there is ample opportunity to participate and share your hobby with the rest of the community.

Meanwhile, the Elmers are still active and in demand. If you would like to help a new or prospective ham contact me. If you have time or talent or equipment you wish to share we can help you find a useful and deserving place for it. With elections coming up it's a good time to think about how we can help our club. If you want to help or have ideas for the club, speak up. Don't leave the club an activity for the officers alone. Join in and share the fun. The more the merrier.

73,
Bob
AL7AW

FIELD DAY 1983

by Bryce Rumery AL7DL
Field Day Chairman

It's never too early to start thinking about Field Day! This is one of the few contests that everyone can get involved in. Field Day 1983 will be held June 25th and 26th, on the bluff above Otter Lake at Fort Richardson. There is a lot to do, it's a lovely site, and Field Day is usually one of the more enjoyable outings of the Anchorage Amateur Radio Club.

For those of you are new to the hobby, and are asking "What's a Field Day? Does it bite?", I should give few words of explaination. Field Day is sponsored every year by the ARRL as a test of the amateur's capability to operate from a field location under emergency conditions. Hams nation-wide pack up their gear, head for the bushes, and attempt to contact as many stations as possible in a 24-hour period. For most clubs and groups it also becomes a yearly outing for the whole club, complete with picnic and party atmosphere. I find it one of the most enjoyable activities of the year.

Right now we are in the planning stage. We need to line up radio gear, shelters, generators, operators, and the like for our Field Day. We also need to think about food, to decide what the club will provide and what people should bring, for the picnic. There's a hot rumor that someone will be baking fresh pastry Sunday morning for those intrepid over-nighters.

We do need to know soon how many operators there will be. Plans currently call for operation on 80, 40, 20, and 10 meter voice. CW stations will give us more points, IF we can line up operators. If anybody would like to operate some other modes or frequencies, let me know, as I need your input to get things rolling.

Attention Novices and Tech's: this is an invaluable oportunity to try out many of the popular radios on the market, before you spend lots of money. You have a chance to operate new bands, new modes, and new equipment, with experienced hams. You aren't restricted to just your license priveleges, as we operate under the club call, with a control operator present. Or if you want a very forgiving place to practice some 5 wpm code, we need a volunteer to coordinate a Novice/Tech only station.

So if you can help, we need: radios, antennas, shelters (motor-homes, trailers, tents, or whatever), generators, operators, and effort. I can be reached on 34/94, or at 753-6395 in the evenings. There will be updated plans at the next meeting, and in the next newsletter. Let's make this the best Field Day ever!

Editor's note: Several years ago I ran the Novice station. There were four of us, none of whom could copy more than about 3 WPM. We received using the "committee method". Each of us wrote down as much as we understood, then we quickly compared notes to see if we could make a complete message out of the mess. It sometimes took a minute or so before the puzzle was solved, so one of us would start sending the other guy's call twice, DE, our call, and then hope by then we had figured out what he said. It was a lot of fun.

A YL's Point of View

Fresh off the Iditarod trail and full of trail stories. I set up my rig next to my bed in the Unalakleet hotel. I could (and did) operate from the bed while barely moving a muscle. One of the roving reporters dubbed me "the sleeping ham".

I found an old BLM antenna still partially in place. I dug the coax out of the snow and tied the second end of the antenna up, then ran it through an antenna tuner generously loaned me by Bill Capers AL7BB and I was in business. Almost. Radio and I had to get reaquainted with the help of Jim LaFollette WB4WBL. In the meantime, I lived up to my "Pretty Quiet" reputation, listening but unable to transmit. Déja-vu. (Tactfully worded, the radio had problems with the operator, not vice versa.)

Once radio and I got on speaking terms, the entire hotel nearly quit speaking to me. Imagine a hotel full of press people eager to phone their stories in, some to such far-off places as New York. Every other sentence of their expensive, long-distance call is interrupted by the clear, feminine voice of the ham upstairs, quiet no more. Ah, well, such is life on the trail!

73's, Kirsten

Kirsten KL7PQ

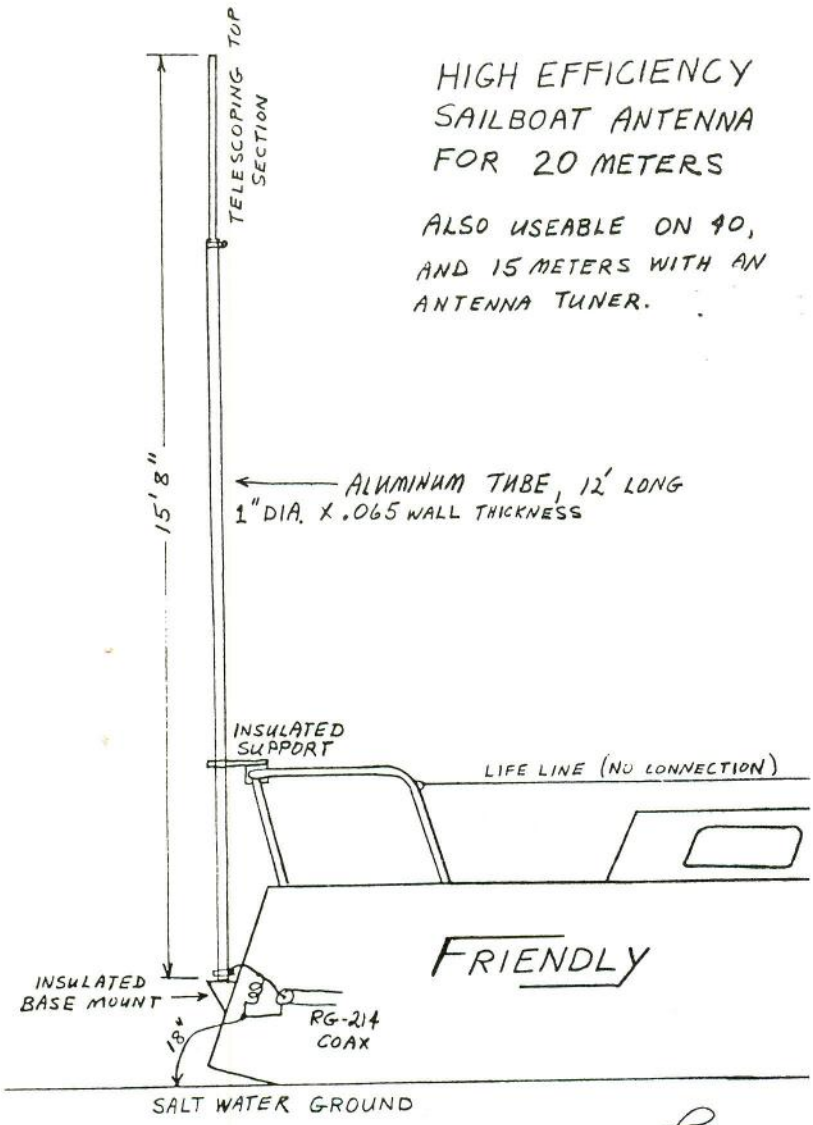
The Invisible Man

We have all heard of the invisible man, and some of us who are old enough have seen some of the old movies, but the AARC has an invisible man we chat with frequently on the radio and face to face at club meetings. Most people know the 34/94 repeater is maintained and someone repairs it when it isn't working, but don't have any idea who has assumed the responsibility. Many, many hours are expended in going to the repeater site any time of day or night and in all types of weather. Our invisible man gets a rare "thank you" but more often gets not requests but demands for him to make programming changes in the controller or other repeater functions. I have seen quite a few club members get rightfully-earned awards for performing their services to the club. However, our invisible man isn't seen when it comes time for the Ham of the Year award or special thanks at meetings or in the club paper. (An appropriate gold pan would be nice.) I for one appreciate his service and dedication in maintaining the club repeater. Just so all of you will know what the invisible man looks like when you see him, or sounds like when you talk to him on the radio, he is Doug KL7IKX. Thanks for a terrific job, Doug!

JJ NL7A

Ed. note: Doug received a well-deserved gold pan at the last club meeting, just before departing to the ends of the earth.

"Friendly" 20 Meter Antenna



Larry Friend
N7TA
P.O. BOX 9922
SAN DIEGO CA 92109

This high efficiency maritime mobile antenna will outperform the standard mobile whip for the following reasons:

1. The longer radiating element has higher radiation resistance and reduces power lost in the ground resistance and conductor resistance.
2. The one-inch diameter tubing has low conductor losses.
3. The ground connection is short and makes good low-resistance contact to the salt water.
4. The 1/4 wavelength antenna has more directivity gain at low radiation angles than an electrically short antenna.
5. The antenna is matched to 50 ohms and the VSWR is low on the transmission line.

An additional feature is that the matching coil (discussed later) provides a direct connection to the ocean for lightning protection. Also, the antenna is mechanically rugged and has survived 10,000 miles of cruising with some pretty adverse wind and sea conditions.

In theory, the 1/4 wavelength antenna has a feed impedance of 36 ohms and when connected to a 50 coaxial cable, the VSWR will be approximately 1.5:1. By making the antenna slightly shorter and resonating it with a small matching inductor, the feed impedance can be raised to 50 ohms and the VSWR is less than 1.1:1.

The technique is discussed in the ARRL antenna handbook. For this design, the matching inductor has 15 turns of #16 wire equally spaced on a one-inch diameter form to be 1.7 inches long. It is connected directly across the antenna end of the coax from center conductor to the shielded braid. The coil should be inside the boat and the connection through the transom to the antenna base should be kept as short as possible (less than 6 inches).

The ground connection to the ocean is very important. On my installation, I make a short connection from the coax shield to the tubular frame of my Monitor Windvane. This windvane has a stainless steel rudder immersed in the ocean and gives a good connection to the salt water (it may be necessary to add a jumper wire around the "kick-up" hinge to insure good electrical contact through the hinge pin joint). While in port, this rudder is out of the water and I use a cylinder of bronze window screen (8 inch diameter x 1 foot long) dropped over the side for the "ocean connection." It should be just below the surface. Any metallic plate of at least 2 square feet area can be used for a ground. The wire from your coax shield to the "ocean connection" should be as short as possible (less than 4 feet). I use an 18-inch wire and different ground wire lengths may require retuning of the antenna length (telescoping tip section) for minimum VSWR. Do not use the lifelines or any of the rigging as a ground connection. When the lifelines are used as a ground plane, they radiate wasted energy overhead and also distort the omni-directional pattern of the vertical antenna. Lifelines made of stranded stainless steel wire are also very lossy electrical conductors (the resistance of stainless steel is 52 times that of copper!).

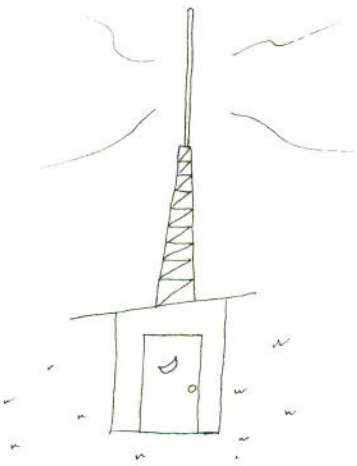
The insulator used to support the antenna should be a low-loss dielectric that does not absorb water. Suitable materials are porcelain, glass, Teflon, nylon, PVC pipe, or fiberglass. Do not use wood. If a fiberglass laminate is cut with a saw or drill, the new edge should be coated with polyester resin to prevent the exposed fiberglass strands from wicking saltwater into the laminate.

The wire connection to the base of the antenna should be inspected frequently since it is exposed to a lot of saltwater spray and possible corrosion. If the antenna VSWR suddenly becomes high, this is the first place to look for trouble. It is a point of high RF current and a good solid connection is necessary. Some large diameter aluminum wire works well laid parallel alongside the antenna tubing and clamped with two hose clamps. The aluminum wire will minimize galvanic corrosion.

If the antenna is only used on 20 meters, the smaller and less expensive RG-58 coaxial cable can be used. However, if the antenna is to be used on 40 or 15 meters with an antenna tuner at the transmitter, then a low-loss cable such as RG-214/U is recommended. This cable is similar to RG-8, but has a double shielded braid that is silver-plated to reduce losses and prevent corrosion.

The 20-meter vertical can be tuned on 40 meters with some antenna tuners, but it will be quite narrow band. However, the radiation resistance and bandwidth are both increased on 40 meters when top-loaded with a 16-foot wire connected to the tip and run horizontally to an insulator tied off at the mast (inverted "L" antenna). A tuner may be required, but the VSWR is quite low and I have used this set-up very effectively on 40 meters. When not in use, the wire can be stowed by spiral wrapping around the vertical antenna with no effect on 20 meters.

The antenna can also be used on 15 meters with no changes other than an antenna tuner to match out the VSWR.



THE REPEATER REPORTER

by WL7D

Frank

"How come I can't get into the repeater? There must be something wrong with my new HT."

"You know, they just spent thousands of dollars on the repeater but it still can't hear me. I wish they'd fix it."

Comments like these and others are common on 34/94. Even more common are broken contacts and weak signals that pop in and out of the repeater. These are the most bothersome and potentially harmful to our public image during the many auto patch calls on which they seem to occur.

What's the problem and the solution, then? Well, the problem is not in the HT. It's not in the repeater either. It is in the conditions. Let's look at some of the numbers of the radiated RF energy.

First, let's assume that the operator is down town in his car using his new ICOM IC2AT with the speaker mic. The HT is on the seat beside him; the mic is in his hand. He can hear the repeater OK (maybe a bit scratchy at times, but that's OK) so he leaves the rig at low power. As he does every night at the same time, he tries to bring up the autopatch to call his wife to say he's leaving work and will be home shortly. The antenna is the stock ICOM rubber duck.

Using a 1/4 wave ground plane antenna in free space as the reference, the rubber duck is down 8 db. It's not vertical 'cause it's on the seat. Subtract another 12 db. He's in the car, surrounded by a nice metal cage and that takes away another astonishing 30 db. Take away as much as another 30 db for the steel high rise office buildings through which he's trying to transmit and the total attenuation can reach -80db! Starting with 100 milliwatts output from the HT and the effective radiated power is 10^{-9} watts. (that's 0.000000001 watts!) No wonder he can't hold the machine.

That's worst case but serves as a good and typical example. The reason the repeater is audible has a lot to do with more esoteric factors such as the multipath resulting from the relative locations of the two units. Plus it has 300 times more power.

The solution? Simple! and cheap. Use an external antenna. There are a number of suitable ones available. H.C. VanValzah Co. sells a 2 meter 1/4 wave mag mount with coax and BNC for only $15. Use an external antenna and you've overcome all but the attenuation from the buildings. This should provide a nicely acceptable signal.

While we're on the subject of signal quality, a word is in order about modulation or deviation. On an SSB signal, the strength of our audio input (modulation) directly varies the strength (amplitude) of the resultant RF. The variation in mic techniques and audio input strength during favorable conditions is compensated by the AGC in our receivers.

This is not true in FM. The amplitude of the transmitted RF is constant and determines the "quieting" in the receiver. The volume of the input audio is the only thing that determines the volume of the received audio. Talk softly a long distance from the mic and you will barely be heard even if you are running a couple kw. Period.

I've found over the years that a technique that provides full round modulation on FM on almost all radios is to "close mic" at just 1/2" to 2" from the mic (or HT) and talk at a solid conversational level. This consistantly yields good audio. An added benefit is that this tends to reduce pick up of back ground noise somewhat. There are users on the repeater that always sound good and others that we usually seem to have trouble hearing. Mic technique is the primary difference.

Finally, modern HTs are marvelously handy devices if used within their limitations. Keep the antenna vertical, talk close and don't whisper, and use the right power level for conditions. Use an external antenna when mobile. If we try to do this, we can greatly improve the quality of RF and audio heard on our machines. Lastly, don't try to make autopatch calls in marginal conditions. Ask for help.

Emergency autodial numbers (10 minute timer)

911	**911 EMERGENCY**	**915**	Military Police (Ft. Rich)
910	Operator	**916**	Gas Company
912	Anchorage Police	**917**	Chugach Electric
913	State Troopers	**918**	Municipal Electric
914	Air Police (Elmendorf)	**919**	Anchorage ARC

Remember, the emergency numbers DO NOT need a "*" before them, and will not work if you enter *911. Just dial the number, and if you don't remember it, don't waste time looking it up. Just use 911.

Regular phone patch commands

User autodial (5 minute timer)	* + 2 digit code (Click mike to dial)
ATU 411 Directory Information	*41 ←**Changed!**
Other assignments to be determined soon.	
Standard autopatch	* + 7 digit phone number (Click mike to dial)
Redial last number	** (Currently has a software problem)
Clear patch	#

Reverse patch/Mailbox

The new software is in, so we have the mailbox capability installed now. A mailbox is a two digit number, currently 00 to 39 (when we get the memory expansion, it will be more like 00 to 69). Anyway, here are the commands:

To check for messages **3** The repeater will list call signs having messages.

To enter a message: **3 to fm m 1234**

Box # message is to ___↑ ↑ ↑
Box # message is from ___| |
Message code #_____|

Mailbox messages

0: Phone home
1: Call me tonight
2: Call me on 90/30
3: See you at the meeting

To hear the message for a code: **3*m** m is currently 0 through 3.

To play back your messages: **3 to 1234** Where to is your box #

To clear all your messages: **3 to 1234567890**

For example: JD could enter **3 02 01 1 1234**, and the repeater would tell Bryce "AL7DL from K1ZAT Call me tonight". Debby later tries to find Bryce, but as usual he is nowhere to be found. She doesn't have her own mailbox location, so she uses the KL7AA call in location 05. She enters **3 02 05 0 1234**, and the repeater tells Bryce "AL7DL from KL7AA Phone home".

When Bryce finally appears out of the woodwork, he enters **3**, and the repeater tells him "Messages for AL7DL". He says "that's me!", and enters **3 02 1234.** The repeater tells him to call JD, and to call home. He enters **3 02 1234567890** to erase those messages, and makes his calls.

Reverse Patch/Mailbox Locations

300	KL7ITI	Bill Reiter	Trustee	312	KL7PQ	Kirsten Petersen	Activity
301	KlZAT	JD Delancy	Control	313	KL7AP	Betty Rhodes	Board
302	AL7DL	Bryce Rumery	Control	314	AL7CV	April Walter	Board
303	KL7QS	Martha Neeley	Control	315	KL7M	Dave Cloyd	Board
304	@#$%&	"Smoke Test" message		316	KL7EB	David Stevens	Board
305	KL7AA	General purpose box		317	KL7WE	Tim Pettis	Board
306	KL7IMD	Jim Hilton	Control	318	KL7JIM	Steve Wilcox	Board
307	KL7IKX	Doug Dickinson	Control	319	KL7SK	Art Taylor	Board
308	AL7AW	Bob McKinnie	Pres.	320	AL7DN	Glenn Turner	Board
309	AL7DL	Busy Bryce	VP	321	KL7HD	Mark Hadley	Board
310	AL7BK	Lance Dunbar	Sec'ty	322	WB7SFO	Ken Slauson	Editor
311	KL7HFM	Fred Wegmer	Treas.	323	KL7RQ	Debby Rumery	Hosp'ty

Bells and Whistles

DTMF Tone Pad test **5** + up to 32 tones in any sequence

"Welcome to Anchorage" tape **65**
Disconnect tape **#**

Meter Response **8** + 1 or 2 digit code

80	Time of day	814	Charge current to battery
84	Outside Temperature at site	815	Controller temperature
812	Power output of repeater	816	Controller voltage
813	Battery voltage		

I think these are all implemented. Help is needed for other circuits.

With the new software installed, and the new memory on order, it is almost time to allocate the remaining auto-dial and mailbox locations. The current assignments reflect the contributions made by the control operators, officers, and staff. Before attempting to allocate the remaining spots among the club membership, the board needs to know who would like to have an auto-dial or mailbox number. If you want either one or both, please fill out and return the form below to the membership chairman, April. Please get it in before the June board meeting (the sooner, the better). If we wind up with more applicants than spots, some fair method of sharing them will be devised. Of course, if you **really** want one badly, volunteer for a club office in June.

Office use: AD ___ MB ____ **Autodial/Mailbox application** Draw ____

Call Sign: _____ Name: _____

"I want a Mailbox ___ and/or an Autodial ___ for calling ____-____"

Life member # ____ Club member since _____

Mail to: April Walter SRA Box 4062E 13362 Diggins Dr. Anch AK 99502

IDITAROD WRAP-UP

Iditarod '83 is over and was helped to its success by as many as 100 ham volunteers. Hams coped with a solar flare and recalcitrant bands to relay race information to Iditarod headquarters. Thanks to everyone who participated! Below is a list of hams who flew out to trail checkpoints, but those who stayed behind and supported us out on the trail deserve equal credit for a good job.

Yentna	Al Cronk KL7BE
Skwentna	Tom Choate KL7JA
Finger Lake	Fred Brooks WL7AUZ
Rainy Pass	April Walter AL7CV
	J.D. Delancy KlZAT
Rohn	Ed Cole AL7EB
Nikolai	Harley Steward KL7IZZ
McGrath	David Stevens KL7EB
	Wayne Groomer KL7HHO
Ophir	Glen Greeley KL7BI
Iditarod	Orv KL7IZL & Bobbi Gilbert
Shageluk	Art Taylor KL7SK
Anvik	Jack Bury KL7QZ
Grayling	Bob McKinnie AL7AW
Eagle Island	David Maltman KØYRI
Kaltag	Barry Arnold KL7PO
Unalakleet	Kirsten Petersen KL7PQ
Shaktoolik	Harley Steward KL7IZZ
Koyuk	Jim LaFollette WB4WBL
Elim	Denis Allen NL7R
White Mt.	Ron Robison WL7N
Safety	Igor Zanovek KL7DZ
Nome	Ted Hackman KL7NH
	Marge Austin KL7VY

IDITAROD 83 (Anchorage to Eagle River)

Well Iditarod 83 has come and gone for this year and we are looking forward to next year. There are plenty of people to say thanks to, and all of your help was greatly appreciated. I want to put out a seperate and special thank you to everyone who helped with the race from Anchorage to Eagle River. After a couple of minor problems like not finding check points, everything went real smooth. So, I want to say a special thank you to the following people:

KL7CQ - Net Control
KL7LO - Race Start
KL7JIM - Race Start
KL7EB - Helping set up
KL7WM - Helping set up
KL7HK - Check point #2
KL7SK - Check point #3
WB5MYU - Check point #4
KL7SN - Check point #5
KL7DU - Check point #6
KL7ZR - Check Point #7
WB7SFO - Check Point #8
AL7EK - Check Point #9
WB0QIG & WA0PUJ - Check Point #11
KL7XW - Check Point #10
KL7SE - Check Point #12
KL7VL - Check Point #13
KL7ILA & KL7IR - Check Point #14

I sincerely hope that I did not miss anyone, and if I did, THANK YOU to all who helped out. It was a great success and we will see you next year!

Thank You Again
Rodney Maney
KL7SA

A Personal History of Amateur Radio -- Part 3

"The nights at the round table"

by KL7IPV -- Frank Drake

My first real receiver was an old Super-Pro. What a boat anchor that was. I learned a lot on that thing though. AM radio was losing ground to a new thing called "Donald Duck radio" and was dying a hard death. Many did not like or want the change. I wasn't licensed as a ham yet, but really wanted to listen. I hadn't met Ham yet either, so I was in for a surprise when I started listening to the Super-Pro.

In those days, crowding was not the problem it is now. Courtesy was mandatory, expected of every ham on the air. Many things transpired on ham radio then, not the least of which was the venerable "round table" QSO. Oh, you still hear 'em some times, but not to the extent you did then. Spark gap radio was outlawed only a few years earlier (1958) and the "old-timers" still talked fondly about it. But AM gave the old-timers new life.

That was not all that gave the old-timers new life!! Topless bathing suits had arrived on the scene in some parts of the country. Not every part of the country was aware of them yet, but some places were about to learn of them. I was about to hear some of the most memorable amateur radio I was destined to ever hear. Not since then have I laughed so hard at what I heard on the radio.

It seemed that the old-timers met regularly on eighty meters for a round table net. The topic of discussion was whatever occurred to the participants. This time there were stations on the air from New York, Texas, California, Florida, Kansas, and Iowa. The old-timers commenced to talk of the wonders of the day. For these gentlemen, this day would be like no other.

For into this good night New York injected a monumental story. It seemed that on Coney Island, a bold young female (well assembled, it is told) had ambled onto the beach wearing only half of the required bathing apparel. One must bear in mind that there are no beaches in some parts of the US of A! The station in Kansas was horrified that such a travesty could occur. New York proceeded to relate the events surrounding the visit of the scantily clad female. Other members of the round table were awestruck, and after the story was related, a silence was heard that has not occurred before or since on eighty meters. After the required reverent period of silence, bedlam broke loose! California offered how that could never happen in his state. Iowa offered that he would have liked to have seen the event because his memories were fading, and could use refreshing. Texas accused New York of sucking too much from a brown bottle, thereby creating something on the order of pink elephants. Kansas expressed a tinge of jealousy due to the fact that Kansas has no suitable beaches where such an event might occur. It became evident that Texas and Florida were starting to pant; due, no doubt, to the fact they did have suitable beaches.

The exchange between these stations carried on for hours. No one could have gotten more mileage from less cloth than the old-timers on that night. Ham radio had brought them together and allowed them, and me, to share in hilarity, comaraderie, and wistfulness, that no other medium could have allowed. AM radio is about gone, round tables are almost gone, but old timers are still around. Next time you hear one, ask what he remembers about the old radio days. You'll be amazed. Lead him on and allow for breakers. Maybe you will have a wild night at the round table, also.

Until next month when we talk "Of noise, waves and wind" 73.

ANCHORAGE AMATEUR RADIO CLUB
GENERAL MEETING
MARCH 4, 1983

President Bob McKinnie AL7AW called the meeting to order at 7:10 pm.

Following introductions, our involvement with the Iditarod was discussed. David KL7LO discussed frequencies to be monitored during the race. Much will be done on 70 meters. The race start in Anchorage will be covered on VHF on 90/30... Kirsten KL7PQ announced that she had 3 checkpoints left to fill on the trail. She also said that Iditarod buttons were available for sale at $2 each... Rod KL7SA went through a list of checkpoints for the Anchorage to Eagle River portion of the race. The race starts at 9:00 am.

Deadline for paying dues was in February. Anyone who failed to do so has been dropped from the mailing list for the Newsletter. Prompt payment will reinstate anyone to the list.

Bill KL7ITI talked about our involvement in the Walk For Hope, to be held May 7. Eagle River will have their own Walk, and we will be doing communications at checkpoints and buses for both walks. A signup sheet for volunteers was passed around.

Bill also mentioned that the Nordic Ski Club would like our help with the race at Kincaid Park on Sunday the 6th of March. It was determined that we would not be able to support it since the Iditarod is taking up so much of everyone's time.

A letter was received from Fred KL7HM in Australia. His new reciprocal call is VK3DTG, and he will be up on 10, 15, and 20 meters soon.

AL7AW spoke about the tele-conference which was broadcast over 2 meters recently. The subject was the future of Amateur Radio. There were participants from all over the country. Al AL7C paid the phone bill to tape it for broadcast here. The next tele-conference will be in June. The subject will be antenna construction. The club will consider taping this one also.

Herb AL7G introduced for consideration by the board and general membership possible purchase of a Battery Manager. Its function is to increase the overall life of a nicad pack. It will adapt to any battery type through use of different adapter cards. The unit costs $599, and each adapter card is $39. The subject was referred to the board for further consideration.

Due to technical difficulties the program for the evening was postponed to a later date.

Ken WB7SFO is still taking input for a better name for the newsletter. He also announced that reprints of the chart for the new controller are available, and that he needs several people to help type the club bylaws.

After a discussion of phone patch details for the new controller, AL7AW urged everyone with access to a computer to fill out the computer survey from the March newsletter and get it to him as soon as possible.

It was mentioned by several members that there are too many long conversations on the repeater during the busy hours of 4:30 - 6 or 7 pm. and that this is a public medium. Please be courteous--watch the length of your QSO and its content. You never know who might be listening.

Bryce AL7DL requested that access codes **not** be given over the air.

Mike Naumann KL7DZE is the custodian of the club pins. See him if you have any questions or just want one.

Dave Vogle NL7P was voted life member #74. Life membership certificates were awarded to Glenn Turner AL7DN #63, April Walter AL7CV #66, Dan Stevens KL7WM #67, Art Taylor KL7SK #68, Billy Capers AL7BB #69, JD Delancy K1ZAT #70, Mark Kelliher WL7AXH #71, and Bob Lupo W7ICI #73.

Mark KL7HD is interested in contacting people who were here in 1964 during the earthquake. He needs to have his information by March 18th.

It was announced that Mel Ellis died in Spokane. A message of condolence to his wife would be appreciated.

After drawing for door prizes, the meeting was adjourned at 9:10 pm.

Respectfully submitted,

Denise Slauson KL7VF
Secretary

ANCHORAGE AMATEUR RADIO CLUB
INCOME STATEMENT
MARCH 15, 1983 TO APRIL 15, 1983

Income	
Membership	605.31
ARRL Share	1.50
Interest	32.96
Advertising	10.00
Subtotal	649.81
Expenses	
Hospitality	28.00
Activities	49.72
Telephone	155.24
Mailing	24.50
Raffle Expenses	98.00
Equipment Repairs	150.00
Subtotal	505.46
Net Income	144.35

ANCHORAGE AMATEUR RADIO CLUB
GENERAL MEETING
APRIL 8, 1983

Introductions followed the opening of the meeting by President Bob McKinnie AL7AW.

Bryce Rumery AL7DL was approved for the position of vice president, replacing David Epstein KL7LO, who has moved to Juneau. Bryce was also approved as life member #75.

JD Delancy K1ZAT read a bulletin from ARRL, received on April 8th, announcing the effective date of the 20 meter phone expansion. Details will be published in the newsletter.

A letter from veterinarian Jim Leach was read. He commended the Nickolai Iditarod operator, Harley KL7IZZ, for an outstanding job.

Wilse Morgan KL7CQ was presented with a pin signifying honorary membership in the Seattle Mike and Key club for services rendered. It is good for one day per year, at a specified (but unprintable) location.

Bob AL7AW commended Doug Dickinson KL7IKX for the tremendous amount of time and effort expended making our repeater function properly. In appreciation of the expertise he so willingly shares, Bob presented him with an engraved gold pan.

Dr. Robert Hisamoto KL7AM and his charming wife Louisa KL7HCO, visiting from Fairbanks, were introduced to the group.

The ACC Awards Presentation on April 29th at 6:00 pm will honor community volunteers, including Kirsten Peterson KL7PQ. Club members are invited.

Our "Mother's Day Extravaganza" will take place on April 30 and May 1, the weekend **preceding** Mother's Day. Members are urged to sign up and help.

The nominating committee will consist of April Walter AL7CV, Frank Bowlin WL7D, Jim Steigerwald KL7SL, and Harley Steward KL7IZZ.

President Bob encouraged members to contact FCC with comments on how to best implement the new rule-making proposals on no-code licenses and the amateur volunteer examiner program.

Fred Wegmer KL7HFM graciously volunteered to manage the raffle tickets for Field Day. Tickets are $10 each, with only 500 to be sold.

Dennis Allen NL7R from KSKA discussed at length the problems with inter-modulation on the .34/.94 repeater following their change of frequency and power increase. A lively exchange of opinions followed.

Several announcements followed the break. Ken WB7SFO needs help with newsletter production. John Bierman KL7GNP, the noble Alaska QSL bureau manager, has a new phone number: 562-5001. Bryce AL7DL needs help with Field Day. PARKA will have lunch at Eve Wegmer's on April 23rd.

Dennis Curman KL7IU suggested that the club buy a new club HF radio each year so club member's could try out different models. The "old" one could be auctioned at Flea Market.

Jerry George KL7PU showed tantalizing slides of Tonga. The program was a hit with all present.

Louisa Hisamoto spoke briefly of their family trip to Japan, and Bob told us some of his experiences in amateur radio over the last 68 years. He also made some good suggestions on improving antenna performance.

Following door prize drawings, won by the usual bunch, the meeting was adjourned.

Respectfully submitted,
Arlene Steward KL7HO
Subbatoot Secretary

MINUTES OF THE APRIL BOARD MEETING OF THE AARC

Attending: KL7HD, KL7HFM, K7GUH, KL7SK, AL7DN, WL7D, K1ZAT, AL7CV, KL7ITI, KL7WE, KL7EB, WB7SFO, KL7PQ, AL7AW, KL7BB, KL7HFQ
Late Arrivals: KL7M, KL7AP

The meeting was called to order at 1903 local on April 20, 1983 by the president AL7AW, Bob.

The minutes from the March board meeting were read and approved.

The treasurer's report was circulated, explained, and approved.

Denise Slauson, KL7VF, resigned as secretary. Lance, AL7BK, was selected to present to the membership as an interim replacement.

The April club social will be on April 30 at 6:30 PM at the Peking Palace. The May 6 general membership meeting program will be Bob, AL7AW, showing his slides from Egypt.

Bob, AL7AW, briefly discussed soliciting merchandise from merchants around town for use as club prizes. He urged everyone to do so.

KL7HD, Mark, announced that Wilse, KL7CQ, has found someone to work on the club film.

Bob, AL7AW, talked about RFI and the club RFI committee. Louise at the FCC will be referring some of her complaints about RFI to the committee. A short discussion followed about potential problems with the new Visions/Multi-Visions cable system. The club has expressed a willingness to discuss any problems with them.

The group in Glenallen has been asked to return repeater equipment loaned to them to the AARC because it has not been used as was the agreement. KL7EF will pick up the equipment for us. Dave, KL7M moved and Tim, KL7WE seconded that the equipment be made operational by the AARC and then loaned to Bruce, KL7JDR, to install at his home to cover the central and south Kenai Peninsula on 146.07/67. There will be a written agreement between Bruce and the AARC clearly stating that AARC retains ownership of the equipment and what is expected of Bruce in maintaining it's operation. The motion passed.

Dave, KL7M reported that the club's 448.5/443.5 machine is to go on Mt. Susitna for link purposes.

The hardware for the mailbox modifications to 34/94 is in but the expanded memory is not. With the expansion there will be about 60 mailbox slots and about 70 autodial locations available. Methods to assign these were discussed. KL7M, Dave, moved and Art, KL7SK seconded that a straight lottery be used. Dave, KL7EB, moved and Bill, KL7ITI, seconded that the motion be amended to take a survey of those desiring these locations and, if necessary, the lottery be held annually at Field Day. The amendement and the amended motion passed.

April, AL7CV reported on the nominating committee. The committee's recommendations are:

President: WL7D, AL7AW
Vice President: AL7DL, K1ZAT
Activities Mgr.: KL7ZR, KL7WM
Treasurer: KL7HFM, KL7VT
Secretary: KL7MQ, AL7BK

3 Year Board Member: K1ZAT, KL7SL, AL7G
1 Year Board Members (6): KL7JIM, AL7CT, KL7IWY, KL7WE, KL7HD, AL7CN, KL7QS, AL7CV, KL7AP, AL7BB, KL7SK, AL7DN, WB7SFO

SOHIO requested AARC to compete for public service awards they were sponsoring. To do so the club submitted a description of club activities. The club was presented a certificate at a breakfast awards ceremony. First prize was $500. This also provided the club a membership in the Anchorage Association Volunteer Administration which provides an organized structure to develop effective volunteer administration and volunteerism in general.

April, AL7CV, was presented a birthday cake by Betty, KL7AP. It was enjoyed by all. Happy birthday, April!

Ken, WB7SFO, gave a short report about the newsletter. The use of first class postage was discussed for out of state mailings.

There was a long discussion of the RFI getting into 34/94. Tim, KL7WE, will try to determine the exact source using a spectrum analyzer.

Ken, WB7SFO, volunteered to find a blank certificate of appreciation for club use.

It was noted that AL7AC will replace AL7O as our SCM.

Bill, KL7ITI, moved that the club donate $100 to Westlink for the reports that the club airs on the repeaters. The board noted that these reports are not related to the commercial publication WESTLINK REPORTS. The motion carried.

The meeting was adjourned at 2147 local.

Respectfully submitted,
Frank Bowlin, WL7D, Temporary Secretary.

Caveat Emptor

For Sale: 75A4 Receiver. Call KL7IJR at 563-8316.

For Sale: 48' portable steel tower, military style with all guy ropes and sections. $75. Model 28 KSR teletype with DT-600 demodulator, AK-1 AFSK generator and power supplies. Ready to operate. Basket has automatic carriage return and auto-overline. $250. Call Meg KL7FHF at 694-9602 or 564-4502.

For Sale: Heath SB-401 SSB transmitter, crystals for all bands 80-10. $150. Laboratory audio oscillator, TS382, 20-200,000 Hz. $50. Laboratory RF generator. 75 KHz to 40 MHz. TS413. $100. Old Dumont oscilloscope, works. $10. Antique, National Corp. HRO receiver with nine coil sets. 50-100 KHz, 180-430 KHz, 500KHz-30 MHz general coverage and band-spread. $150. Teletype Corporation Model 32 ASR. Needs work but very clean. $50. R24 ARC5 broadcast band receiver. $15. 36" x 30" 30 drawer steel parts cabinet. $50. Aluminum tubing from old beam. $10. Call Frank KL7IBA at 272-3101.

For Sale: Yaesu FT 101B with FV101 (Remote VFO), SP101PB (Phone patch), FTV250 2-meter transverter, all manuals and boxes, spare finals, and driver. $750. Yaesu FT301S (20 watt QRP) with mic and manual. $250. Konel 6 channel marine band radio (MF/AM), complete with 16 foot whip and manual. Make offer. Contact Fred Kletka KL7SE, 552-3560 (wk) or 694-4002 (hm) after 6.

For Sale: Santec HT-1200 full feature synthesized 2 meter hand-held, with case, speaker/mike, and spare battery pack. $270. Complete Kenwood TS-830 HF station, with remote digital VFO, remote speaker, antenna tuner, and CW filter. Used less than 10 hours. $900 Contact Frank WL7D 333-5511 (hm) or 338-6003 (wk).

For Sale: Heathkit Base Station consisting of transmitter and receiver, hybrid phone patch, SWR meter, frequency counter, remote speaker, lollipop mike, coax switches, and an oscilloscope. $500. Call Karen Foster at 694-3871. Leave a message if you get the recorder.

For Sale: Heath HA-10 Warrior linear, 1KW SSB/CW on 80 - 10 meters. $175
Palomar 2KW+ Antenna tuner with built-in noise bridge. $125
ATEC Frequency counter, 1Hz to 12 MHz. $25
Heath VTVM with HV probe. $29
Simpson Oscilloscope, 7 inch CRT. $25
Measurements Corp. Frequency meter, measures VHF/UHF frequencies to within 100Hz. $75 with training.
Call Timothy KL7WE at 276-1977, if you don't like the price, make an offer.

Wanted: Collins 51J4 power transformer, (part #672-0575-00). Call Jim WA5OYH at 337-2699(hm) anytime.

Note: Jim Shorts, Vise President of Loof Lirpa Corp., happily reported that they will not be going bankrupt after all. The tremendous response from amateurs in several states has convinced them to stay around for at least another year. If you missed out on this year's sale, they'll be back next April.

Want ads are placed free of charge to members of the Anchorage Amateur Radio Club, Inc. Phone newsletter editor Ken Slauson WB7SFO at 562-2203(w) or 243-4624(h), or club phone 345-0719 to place an ad. Commercial ads, including ads directly related to a club member's business, are $5 per quarter page, camera-ready copy only, please. Ads may be mailed to the editor at 2516 West 27th #3, Anchorage AK 99503.

ANCHORAGE AMATEUR RADIO CLUB, INC.
Post Office Box 101987
Anchorage, Alaska 99510-1987
Address Correction Requested

Hot from the teletype of K1ZAT

The following releases are dated April 8, 1983:

ARRL Bulletin 26--Space shuttle Challenger relay via W5RRR at Johnson Space Center can be found on one or more of the following frequencies: 3905, 7230, 14280, 21375, and 28600 KHz. Daily shuttle live audio can be reached by dialing 1-900-410-6272.

ARRL Bulletin 27--The waiver issued by the FCC engineer in charge at Kansas City to permit use of amateur radio in reconstituting commercial communications in connection with the emergency in Louisiana is lifted effective at April 8 at 1 pm CST. The need for the waiver no longer exists.

ARRL Bulletin 28--Expansion of the 20 meter phone band becomes effective May 22, 1983 at 0001 UTC. The new phone bands will be as follows: 14150 to 14175 KHz Extras. 14175 to 14225 KHz Advanced and Extra. 14225 to 14350 General, Advanced and Extra. This is not effective until May 22, 1983 at 0001 UTC.

New Members

James B. Leach	3141 Kenwood Circle Anchorage, AK 99504
Steven & Gayle A. Cook	21-453E Citrus Ave. Elmendorf AFB, AK 99506
Joseph W. Kile	1321 E. Bluff Dr. 12-256 Anchorage, AK 99507
Lee Byer	5901 E. 6th Ave. Anchorage, AK 99504 Hm: 337-0717 wk: 333-0300
John Pieniadz NL7AJ	2501 Turnagain Pkwy. Anchorage, AK 99503
Lester D. Edwards KL7XG	801 Airport Heights #276 Anchorage, AK 99504 Hm: 278-9195